

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012319\
 Data File : VN053526.D
 Acq On : 23 Jan 2019 9:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 11:53:17 AM

Quant Time: Jan 24 01:36:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	770402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1111765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	997781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	511681	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	356365	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	
35) Dibromofluoromethane	7.59	113	318805	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.09	98	1286893	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
62) 4-Bromofluorobenzene	12.40	95	455240	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	288904	46.642	ug/l	99
3) Chloromethane	2.06	50	363547	41.051	ug/l	99
4) Vinyl Chloride	2.19	62	379550	44.461	ug/l	100
5) Bromomethane	2.57	94	268516	45.842	ug/l	97
6) Chloroethane	2.71	64	234002	45.338	ug/l	99
7) Trichlorofluoromethane	3.02	101	552077	49.442	ug/l	100
8) Diethyl Ether	3.41	74	204973	48.875	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	361428	51.110	ug/l	98
10) Methyl Iodide	3.96	142	503173	46.562	ug/l	100
11) Tert butyl alcohol	4.78	59	114014	305.995	ug/l	99
12) 1,1-Dichloroethene	3.74	96	328398	47.878	ug/l	97
13) Acrolein	3.61	56	181803	250.046	ug/l	98
14) Allyl chloride	4.32	41	555170	49.830	ug/l	100
15) Acrylonitrile	4.98	53	617672	251.892	ug/l	100
16) Acetone	3.81	43	542239	303.513	ug/l	99
17) Carbon Disulfide	4.06	76	933726	45.016	ug/l	99
18) Methyl Acetate	4.32	43	304587	50.603	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	911674	50.024	ug/l	100
20) Methylene Chloride	4.55	84	383131	46.972	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	355855	48.528	ug/l	96
22) Diisopropyl ether	5.95	45	1166128	50.138	ug/l	100
23) Vinyl Acetate	5.89	43	3640332	254.618	ug/l	100
24) 1,1-Dichloroethane	5.85	63	677582	49.281	ug/l	99
25) 2-Butanone	6.83	43	735089	267.006	ug/l	99
26) 2,2-Dichloropropane	6.82	77	528867	50.945	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	417530	49.792	ug/l	100
28) Bromochloromethane	7.19	49	285598	47.150	ug/l	99
29) Tetrahydrofuran	7.21	42	449758	250.944	ug/l	99
30) Chloroform	7.37	83	674023	50.314	ug/l	100
31) Cyclohexane	7.65	56	631894	47.212	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	564683	49.691	ug/l	100
36) 1,1-Dichloropropene	7.79	75	523271	51.681	ug/l	99
37) Ethyl Acetate	6.92	43	297230	51.025	ug/l	100
38) Carbon Tetrachloride	7.77	117	504981	52.681	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	661874	52.889	ug/l	99
40) Benzene	8.04	78	1565943	50.895	ug/l	99
41) Methacrylonitrile	7.17	41	173053	49.996	ug/l	96
42) 1,2-Dichloroethane	8.12	62	466810	52.078	ug/l	100
43) Isopropyl Acetate	8.16	43	539880	51.543	ug/l	99
44) Trichloroethene	8.83	130	451189	52.879	ug/l	98
45) 1,2-Dichloropropane	9.12	63	414807	50.900	ug/l	100
46) Dibromomethane	9.21	93	236757	50.565	ug/l	99
47) Bromodichloromethane	9.40	83	520298	52.840	ug/l	100
48) Methyl methacrylate	9.20	41	271889	50.274	ug/l	97
49) 1,4-Dioxane	9.20	88	76112	1441.036	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1502644	262.796	ug/l	100
52) Toluene	10.16	92	973023	50.940	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	530185	53.122	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	624369	53.366	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	345385	52.446	ug/l	99
56) Ethyl methacrylate	10.43	69	438107	47.005	ug/l	99
57) 1,3-Dichloropropane	10.71	76	585979	51.437	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1103888	239.605	ug/l	99
59) 2-Hexanone	10.75	43	1074562	267.710	ug/l	99
60) Dibromochloromethane	10.90	129	398613	53.367	ug/l	100
61) 1,2-Dibromoethane	11.00	107	340025	51.053	ug/l	100
64) Tetrachloroethene	10.63	164	510149	54.254	ug/l	99
65) Chlorobenzene	11.43	112	1094550	51.826	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	394711	53.722	ug/l	99
67) Ethyl Benzene	11.51	91	1878693	52.196	ug/l	99
68) m/p-Xylenes	11.62	106	1441803	106.098	ug/l	100
69) o-Xylene	11.95	106	698242	52.878	ug/l	98
70) Styrene	11.96	104	1163713	54.301	ug/l	99
71) Bromoform	12.13	173	273604	54.092	ug/l #	98
73) Isopropylbenzene	12.25	105	1875309	50.047	ug/l	100
74) N-amyl acetate	12.07	43	487522	48.807	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	355934	45.292	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	357242m	52.980	ug/l	
77) Bromobenzene	12.53	156	485332	49.154	ug/l	99
78) n-propylbenzene	12.59	91	2211299	51.412	ug/l	100
79) 2-Chlorotoluene	12.67	91	1263401	49.555	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1566404	51.379	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	125015	47.076	ug/l	100
82) 4-Chlorotoluene	12.77	91	1316144	50.622	ug/l	100
83) tert-Butylbenzene	12.99	119	1390275	51.631	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1604796	52.205	ug/l	100
85) sec-Butylbenzene	13.17	105	1923176	52.078	ug/l	99
86) p-Isopropyltoluene	13.29	119	1709154	53.303	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	880505	50.697	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	878605	50.431	ug/l	99
89) n-Butylbenzene	13.62	91	1497999	54.807	ug/l	100
90) Hexachloroethane	13.87	117	271094	53.908	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	841933	52.691	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58666	58.875	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	454389	63.651	ug/l	99
94) Hexachlorobutadiene	15.01	225	311797	62.553	ug/l	100
95) Naphthalene	15.13	128	716241	57.281	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	329923	62.864	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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